

## Section 0-1: Changing Units of Measure Within Systems

By the end of this lesson, you should be able to answer:

- How do you convert units of measure within a specific measurement system?

There are two measurement systems that we will work with: Customary and metric.

What is being measured?	Customary	Metric
Length		
Volume/Capacity		
Mass/Weight		

*Example 1:* State what unit you would use (in both customary and metric) to measure the following:

a. Amount of water in a soda bottle

b. The dimensions of a smartphone

List some of the places where you can find conversion tables:

*Example 2:* Convert.

a. 8.7 km = \_\_\_\_\_ m

b. 96 ft = \_\_\_\_\_ yd

When converting from a smaller unit to a larger unit:

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*Example 3:* Convert.

a. \_\_\_\_\_ yd = 324 in

b. 8.9 L = \_\_\_\_\_ mL

c. 6598 mg = \_\_\_\_\_ kg

d. 3 T = \_\_\_\_\_ oz

Problem Set:

"There is only one you...Don't you dare change just because you're outnumbered!"  
- Charles Swindoll